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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/624,531	07/23/2003	Jacques Colinge	64176.000005	6658
21967	7590 10/10/2006		EXAMINER	
HUNTON & WILLIAMS LLP INTELLECTUAL PROPERTY DEPARTMENT			SKIBINSKY, ANNA	
1900 K STREET, N.W.			ART UNIT	PAPER NUMBER
SUITE 1200			1631	
WASHINGTON, DC 20006-1109			DATE MAILED: 10/10/2006	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/624,531	COLINGE ET AL.				
Office Action Summary	Examiner	Art Unit				
	Anna Skibinsky	1631				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on 2a) This action is FINAL . 2b) This 3) Since this application is in condition for allowan closed in accordance with the practice under E.	action is non-final. ace except for formal matters, pro					
Disposition of Claims						
4) Claim(s) 1-58 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-58 are subject to restriction and/or experience. Application Papers 9) The specification is objected to by the Examine. 10) The drawing(s) filed on is/are: a) access that any objection to the organization. Replacement drawing sheet(s) including the correction.	election requirement. r. epted or b) objected to by the following(s) be held in abeyance. See ion is required if the drawing(s) is objected to be in a to be ion is required if the drawing(s) is objected to be in a to b	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d):				
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Do 5) Notice of Informal P 6) Other:	ate				

DETAILED ACTION

Election/Restriction

Restriction to one of the following inventions is required under 35 U.S.C. 121:

I. Claims 1-11 and 58 drawn to a method for scoring peptide matches, using probabilities, where both the first peptide and second peptide can be experimental classified in class 702, subclass 19.

II. Claims 12-24, drawn to a method for scoring peptide matches using the null hypothesis where the second peptide is not experimental but theoretical, classified in class 703, subclass 11.

If Group I is elected the below listed election from Species A is required.

III. Claims 25-57 are drawn to a storage medium and system having a code for causing a processor to score peptide matches, drawn to a kit, classified in class 712, subclass 220.

The inventions are independent or distinct, each from the other because:

Groups I and II are distinct because Group I is a method for scoring peptide matches comprising calculating a first probability and second probability that the first peptide matches the second peptide and calculating a second probability that the first peptide does not match the second peptide, based on the stochastic model generated. Scoring a match between the first peptide and the second peptide based a least in part on a ratio between the first probability and the second probability. This method may be

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applied to peptides that are experimental as described in the claim. Group II is also a method for scoring peptide matches but involves defining an extended match *E* based on the information associated with the experimental peptide and the candidate peptide. Scoring the extended match *E* based on a likelihood ratio L, using the null hypothesis. This theoretical method is applied to peptides where the candidate peptide is not experimental but comes from a peptide database as described in claim 15. Groups I and II are distinct and would be an undue search burden because as Group I pertains to experimental methods and Group II requires theoretical analysis.

Group I and II are distinct from Group III because Group I and II are a method while Group III is a storage medium and a system. Inventions of Groups I and II and Group III are related as process and apparatuses for its practice. The inventions are distinct if it can be shown that either: (1) the process as claimed can be practiced by another and materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)). In this case the storage medium and system for scoring can be used to practice another materially different process.

Because these inventions are independent or distinct for the reasons given above and have acquired a separate status in the art because of their recognized divergent subject matter, restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the

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requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anna Skibinsky whose telephone number is (571) 272-4373. The examiner can normally be reached on 8 am - 5:30 pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Wang can be reached on (571) 272-0188. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Anna Skibinsky, PhD

ANDREW WANG SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 1600